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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Grant E. Moulton; Jeff P. Hamilton-Gahart
Assignee: Cisco Technology, Inc.
Title: Long Reach Unamplified Optical SONET/SDH Card
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Examiner: Jean F. Duverne Group Art Unit: 2839
Docket No.: CIS0081US Confirmation No.: 5513

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POWER OF ATTORNEY
BY ASSIGNEE OF ENTIRE INTEREST

Sir:

The above-identified assignee, a California corporation, hereby revokes all powers of attorney previously given and appoints the attorney(s) and/or agent(s) identified by the following attorneys to prosecute the above-identified application and to transact all business in the United States Patent and Trademark Office in connection therewith:

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ASSIGNEE CERTIFICATION UNDER 37 CFR 3.73(B)

The undersigned representative of the above-identified assignee certifies that the above-identified assignee is the assignee of the entire right, title and interest in the above-identified patent application by virtue of a chain of title from the inventor(s) of the above-identified patent application to the above-identified assignee as shown below:

The document was recorded in the Patent and Trademark Office at Reel 011006, Frame 0526.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the above-identified assignee.

Date 10/12/04
[Signature]
ROBERT BARR

Vice President of Intellectual Property
and Worldwide Patent Counsel